Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/15/2021 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124510	-1	2.12	124352	2.07
Blue	F	SSC	125000	124511	-1	3.68	124807	3.53
Blue	E	FITC	14400	13886	-4	2.75	319	14.50
Blue	D	PE	24713	24512	-1	2.28	561	10.51
Blue	B	PerCP-Cy5-5	31796	31492	-1	3.45	1038	14.40
Blue	A	PE-Cy7	21240	21229	-1	5.29	569	28.47
Red	C	APC	41319	41233	-1	3.31	1725	11.48
Red	A	APC-Cy7	21019	20616	-2	3.56	772	11.32
Violet	B	V450	7305	7042	-4	3.65	427	12.66
Violet	A	V500	28652	27728	-4	3.15	694	9.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23459	1.97	561	-8	N/A	N/A	Pass
Blue	F	SSC	57867	2.38	517	5	N/A	N/A	Pass
Blue	E	FITC	59	52.95	489	-2	0.0552	170	Pass
Blue	D	PE	117	35.73	487	0	0.4534	308	Pass
Blue	B	PerCP-Cy5-5	194	34.63	583	-1	0.0205	42	Pass
Blue	A	PE-Cy7	113	64.86	630	0	0.0227	0	Pass
Red	C	APC	398	23.74	575	2	0.0278	150	Pass
Red	A	APC-Cy7	174	27.61	546	1	0.0072	1798	Pass
Violet	B	V450	60	61.35	454	-2	0.0539	1831	Pass
Violet	A	V500	100	35.52	468	-2	0.0273	1135	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.39	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.78	15.99 - 23.99	N/A	N/A	29.81	30.01	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13980

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments